

NZXT AC-CRFR0-B1

NZXT RGB & Fan Controller AC-CRFR0-B1 User Manual

Model: AC-CRFR0-B1

INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your NZXT RGB & Fan Controller (Model AC-CRFR0-B1). This device is designed to centralize control over your system's cooling fans and RGB lighting components, offering enhanced customization and management through the NZXT CAM software.

FEATURES

- **Optimal Fan Control:** Manages up to nine PWM fans, allowing for precise fan speed profile adjustments via NZXT CAM software.
- **Fully-Customizable RGB Lighting:** Provides six lighting channels for expanding your RGB setup and customizing compatible RGB accessories through NZXT CAM software.
- **Convenient Installation:** Features built-in magnets for easy mounting or can be secured with included adhesive strips. Includes 2.5-inch drive bay mounting screw holes for SSD mounting brackets.

PACKAGE CONTENTS

Verify that all components are present before proceeding with installation.

- NZXT RGB & Fan Controller (AC-CRFR0-B1)
- USB 2.0 Internal Cable
- SATA Power Cable
- Fan Splitter Cables (Quantity may vary, typically 2-3)
- Adhesive Strips (Optional mounting)

SETUP AND INSTALLATION

1. Physical Installation

1. Mounting the Controller:

The controller can be mounted in several ways:

- **Magnetic Attachment:** The controller features built-in magnets on its underside. Position it on any flat, ferrous surface within your PC case.
- **Adhesive Strips:** For non-magnetic surfaces, use the included adhesive strips to secure the controller.
- **Drive Bay Mounting:** Utilize the 2.5-inch drive bay mounting screw holes to install the controller into an available SSD mounting bracket.



Figure 1: Top view of the NZXT RGB & Fan Controller, showing the perforated surface and NZXT logo.



Figure 2: Side view of the controller, illustrating cable routing from the unit.

2. Connecting Power:

Connect the provided SATA power cable to the controller and to an available SATA power connector from your power supply unit (PSU).

3. Connecting to Motherboard:

Connect the included USB 2.0 internal cable from the controller to an available USB 2.0 header on your motherboard. This connection is essential for software control.

4. Connecting Fans:

Connect your PWM fans to the fan headers on the controller. The controller supports up to nine PWM fans. Use the included fan splitter cables if you have more fans than direct ports.



Figure 3: Angled view of the controller, showing fan and RGB ports with cables connected.

5. Connecting RGB Devices:

Connect your compatible NZXT RGB devices (e.g., RGB fans, LED strips) to the RGB lighting channels on the controller. The controller provides six RGB channels for extensive customization.

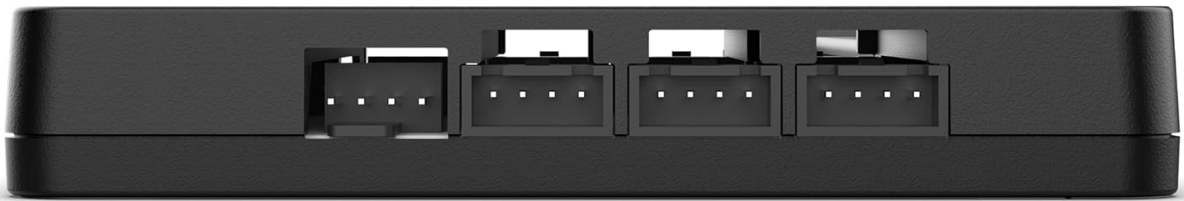


Figure 4: Close-up view of the controller's ports, including fan and RGB connections.

2. Software Installation (NZXT CAM)

To fully utilize the features of your NZXT RGB & Fan Controller, you must install the NZXT CAM software.

1. **Download NZXT CAM:** Visit the official NZXT website (nzxt.com/cam) to download the latest version of the NZXT CAM software.
2. **Install Software:** Follow the on-screen instructions to install NZXT CAM on your computer.
3. **Launch and Configure:** Once installed, launch NZXT CAM. The software should automatically detect your RGB & Fan Controller. You can then proceed to configure fan curves and RGB lighting effects.

OPERATING THE CONTROLLER WITH NZXT CAM

The NZXT CAM software provides an intuitive interface for managing your controller's functions.

Fan Control

- **Fan Profiles:** Select from preset fan profiles (e.g., Silent, Performance, Fixed) or create custom fan curves based on CPU or GPU temperatures.
- **Monitoring:** Monitor individual fan speeds and temperatures in real-time.

- **Group Control:** Group multiple fans to apply the same fan curve settings simultaneously.

RGB Lighting Customization

- **Lighting Modes:** Choose from a variety of static, dynamic, and reactive lighting effects.
- **Color Selection:** Customize colors using a color picker, RGB values, or hexadecimal codes.
- **Synchronization:** Synchronize lighting effects across all connected NZXT RGB devices.
- **Advanced Effects:** Create complex lighting patterns and animations for a personalized aesthetic.

MAINTENANCE

- **Software Updates:** Regularly check for and install updates for NZXT CAM software to ensure optimal performance and access to new features.
- **Physical Cleaning:** Keep the controller free from dust accumulation. Use a soft, dry cloth to gently wipe the surface. Ensure the PC is powered off before cleaning.
- **Cable Management:** Periodically inspect cable connections to ensure they are secure and not obstructing airflow within the PC case.

TROUBLESHOOTING

- **Controller Not Detected by NZXT CAM:**
 - Ensure the USB 2.0 internal cable is securely connected to both the controller and the motherboard header.
 - Verify that the SATA power cable is properly connected to the controller and the PSU.
 - Try restarting your computer.
 - Reinstall NZXT CAM software.
- **Fans Not Spinning or RGB Not Lighting Up:**
 - Check all fan and RGB cable connections to the controller.
 - Ensure the controller is receiving power via the SATA connection.
 - Confirm that the fan and RGB settings in NZXT CAM are correctly configured and not set to 'off' or 'zero RPM'.
 - Test individual fans/RGB devices by connecting them directly to the motherboard (if possible) to rule out device failure.
- **Inconsistent RGB Lighting:**
 - Ensure all RGB devices are compatible with the NZXT ecosystem.
 - Verify that the correct device types are selected in NZXT CAM for each RGB channel.
 - Check for loose connections.

SPECIFICATIONS

Feature	Detail
Model Number	AC-CRFR0-B1
Product Dimensions	5.31"L x 4.09"W x 1.54"H (13.49 x 10.39 x 3.91 cm)
Weight	5.49 Pounds (2.49 kg)

Feature	Detail
Fan Channels	3 (Supports up to 9 PWM fans with splitters)
RGB Lighting Channels	6
Power Connector Type	SATA (for controller power), 4-Pin (for fans)
Voltage	12 Volts
Wattage	36 watts
Cooling Method	Forced Air (via connected fans)
Compatible Devices	Desktop PCs, Graphic Cards (for monitoring)
UPC	810074840835

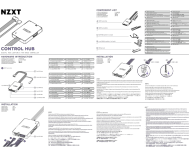
WARRANTY AND SUPPORT

NZXT products are designed with quality and reliability in mind. For detailed warranty information, please refer to the official NZXT website or the warranty card included with your product.

For technical support, troubleshooting assistance, or to contact customer service, please visit the NZXT support portal:

NZXT Support

Related Documents - AC-CRFR0-B1

	NZXT F RGB Core Fan Installation and User Manual Comprehensive guide for the NZXT F RGB Core Fan, covering component lists, hardware introduction, installation, software setup, warranty policy, and regulatory statements. Includes detailed instructions and multilingual support information.
	NZXT Aer RGB 2 Fan Installation and User Guide Comprehensive guide for installing and customizing NZXT Aer RGB 2 fans, including component lists, step-by-step installation instructions, lighting mode customization, troubleshooting, and warranty information.
	NZXT Control Hub: Digital RGB Lighting & Fan Speed Controller Manual Comprehensive guide to installing and using the NZXT Control Hub for digital RGB lighting and fan speed control. Includes hardware introduction, component list, installation steps, controller mounting, software setup, compatibility, regulatory information, and warranty details.



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RGB FAN CONTROLLER 6 RGB LIGHTING CHANNELS AND 3 FAN CHANNELS

DESCRIPTION RGB FAN CONTROLLER ... tons 72 cartons x 20pallets =

1440cartons 1050 x 1050 x 120mm 40cartons/pallet-1050 x 1050 x 1425mm **AC-**

CRFR0-B1 5056547200675 810074840835 COMPARISON CHART Company NZXT

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